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22907 7590 11/25/2003

BANNER & WITCOFF
1001 G STREET N W
SUITE 1100
WASHINGTON, DC 20001



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(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/660,390	09/12/2000	Akihiro Nitayama	00629.00002	6915

TITLE OF INVENTION: DYNAMIC SEMICONDUCTOR MEMORY DEVICE HAVING A TRENCH CAPACITOR AND METHOD OF MANUFACTURING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	02/25/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
WEISS, HOWARD	2814	257-306000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Banner & Witcoff, Ltd.

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Kabushiki Kaisha Toshiba

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Kawasaki-shi, Japan

Please check the appropriate assignee category or categories (will not be printed on the patent); ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

☒ Issue Fee☐ Publication Fee☒ Advance Order - # of Copies 10

4b. Payment of Fee(s):

☐ A check in the amount of the fee(s) is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.☒ The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 19-0733 (enclose an extra copy of this form).

Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)

Joseph M. Potenza, Reg. No. 28,175

42,402 (Date)

FEB. 10, 2004

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

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02/18/2004 HABDEL R3 00000206 190733 09660390
01 FC:1501
02 FC:8001 1330.00 DA
30.00 DA

TRANSMIT THIS FORM WITH FEE(S)

<div style="text-align: center; font-size: 24pt; font-weight: bold;">FEE TRANSMITTAL</div> <div style="text-align: center; font-size: 20pt; font-weight: bold;">for FY 2003</div> <div style="text-align: center; font-size: 12pt;">Patent fees are subject to annual revision.</div> <div style="text-align: center; font-size: 14pt; font-weight: bold;">Applicant claims small entity status. See 37 CFR 1.27</div> <div style="display: flex; justify-content: space-between; border-top: 1px solid black; padding-top: 5px;"> TOTAL AMOUNT OF PAYMENT (\$) 1360.00 </div>	<div style="text-align: center; font-size: 10pt; font-weight: bold;">Complete if Known</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>09/660,390</td> </tr> <tr> <td>Filing Date</td> <td>September 12, 2000</td> </tr> <tr> <td>First Named Inventor</td> <td>Akihiro Nitayama</td> </tr> <tr> <td>Examiner Name</td> <td>Howard Weiss</td> </tr> <tr> <td>Art Unit</td> <td>2814</td> </tr> <tr> <td>Attorney Docket No.</td> <td>000629.00002</td> </tr> </table>	Application Number	09/660,390	Filing Date	September 12, 2000	First Named Inventor	Akihiro Nitayama	Examiner Name	Howard Weiss	Art Unit	2814	Attorney Docket No.	000629.00002
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<div style="text-align: center; font-size: 10pt; font-weight: bold;">METHOD OF PAYMENT (check all that apply)</div> <div style="display: flex; justify-content: space-between; font-size: 8pt;"> <input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None </div> <div style="margin-top: 5px;"> <input checked="" type="checkbox"/> Deposit Account: </div> <div style="margin-top: 5px;"> Deposit Account Number: 19-0733 </div> <div style="margin-top: 5px;"> Deposit Account Name: Banner & Witcoff, Ltd. </div> <div style="margin-top: 5px; font-size: 8pt;"> The Commissioner is authorized to: (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account. </div>	<div style="text-align: center; font-size: 10pt; font-weight: bold;">FEE CALCULATION (continued)</div> <div style="margin-top: 5px; font-size: 8pt;"> 3. ADDITIONAL FEES <div style="display: flex; justify-content: space-between;"> Large Entity Small Entity </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8pt;"> <thead> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td>2,520</td> <td>For filing a request for <i>exparte</i> reexamination</td> <td></td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>1805</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>410</td> <td>2252</td> <td>205</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>930</td> <td>2253</td> <td>465</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>1,450</td> <td>2254</td> <td>725</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>1,970</td> <td>2255</td> <td>985</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401</td> <td>320</td> <td>2401</td> <td>160</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>320</td> <td>2402</td> <td>160</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>280</td> <td>2403</td> <td>140</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>1451</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td>Petition to revive - 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**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY				Complete (if applicable)	
Name (Print/Type)	Joseph M. Potenza	Registration No. Attorney/Agent)	28,175	Telephone	202-824-3000
Signature		# 42,402		Date	February 12, 2004

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Provide credit card information and authorization on PTO-2038.

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